

FIG. 1

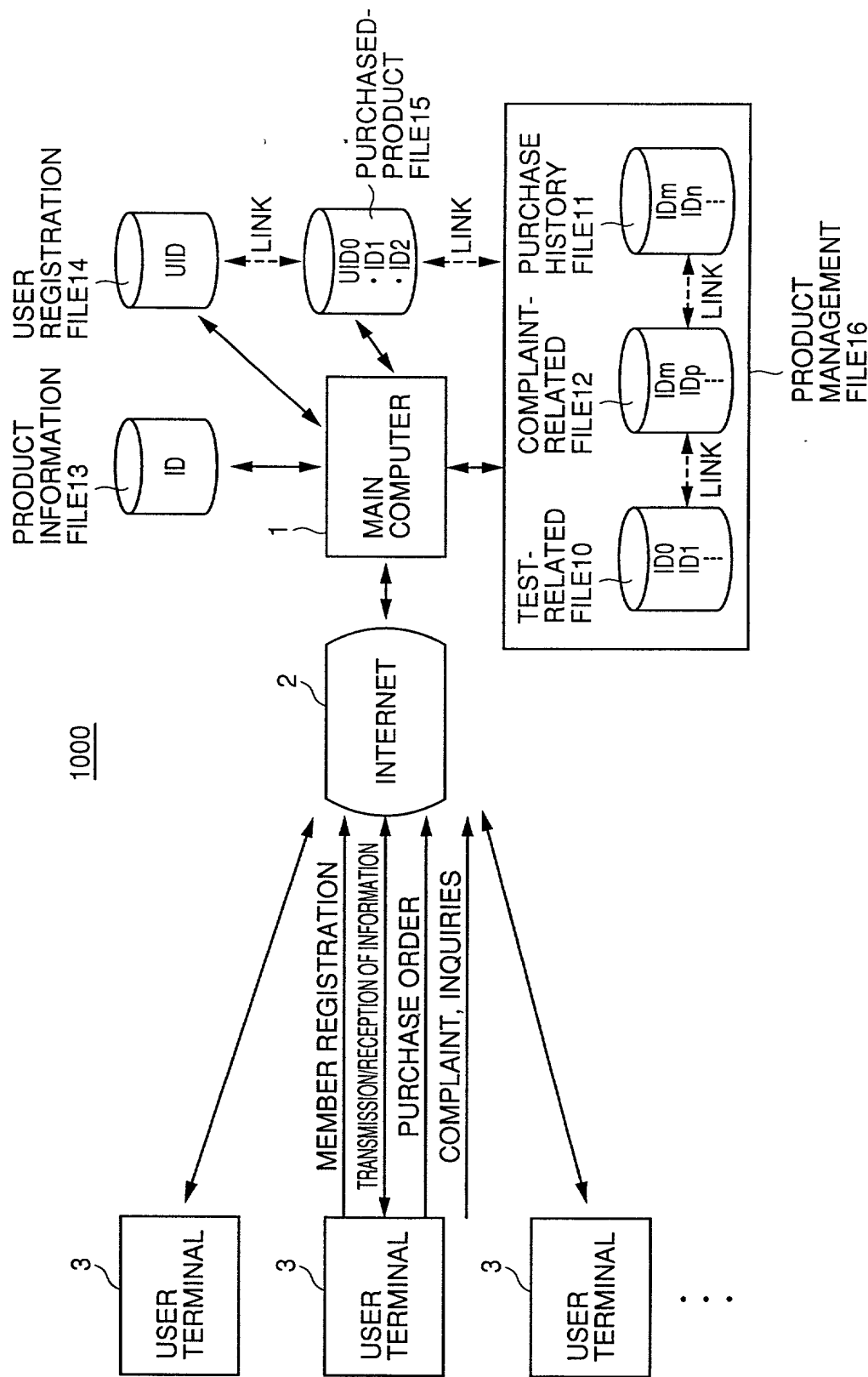


FIG. 1

FIG. 2

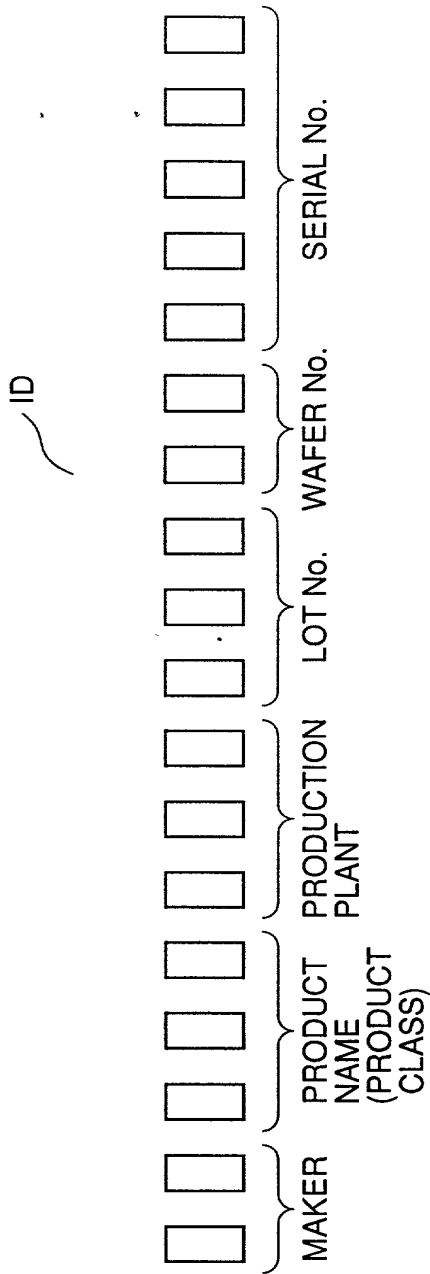


FIG.3

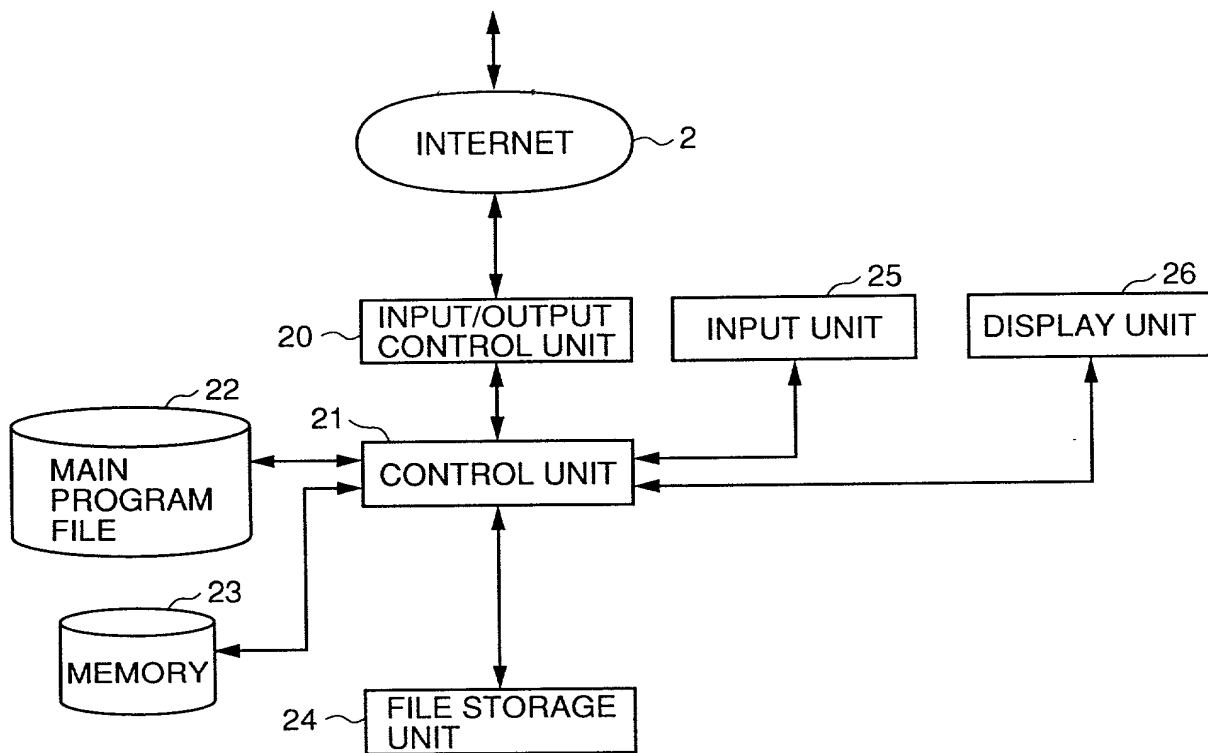


FIG.4

13

31 PRODUCT NAME	32 ID	33 COST	34 SPECIFICATION	35 RELIABILITY LEVEL	36 TEST SUMMARY
CHIP001	ID0	10,000	△	A	...
CHIP002	ID1	15,000	×	C	...
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•

FIG.5

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40	MEMBER NAME		AAABBC
41	USER IDENTIFICATION NUMBER(UID)		12345
42	ADDRESS		----
43	COMMUNICATION	TELEPHONE No.	XXX-123
		E-MAIL ADDRESS	ABC@DEF
44	CREDIT CARD No.		1111-2222
45	PASSWORD		6789

FIG.6

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41	UID	32	ID
12345			ID0
			ID1
			⋮
			IDm

FIG.7

10

32	50	51
ID	TEST CONTENTS	TEST RESULTS
ID0	GENERAL OPERATION TEST ONLY	----
ID1	UP TO ACCELERATION TEST	----
⋮	⋮	⋮

FIG.8

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32 ID	60 ORDER DATE	61 WARRANTY PERIOD	62 DELIVERY DATE
ID3	00/1/1	02/1/1	00/1/2
ID5	00/1/5	02/1/5	00/1/5
ID10	00/2/1	02/2/1	00/2/3
⋮	⋮	⋮	⋮

FIG.9

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32 ID	70 COMPLAINT INFORMATION
ID0	XXX
ID7	△△△△
⋮	⋮

FIG.10

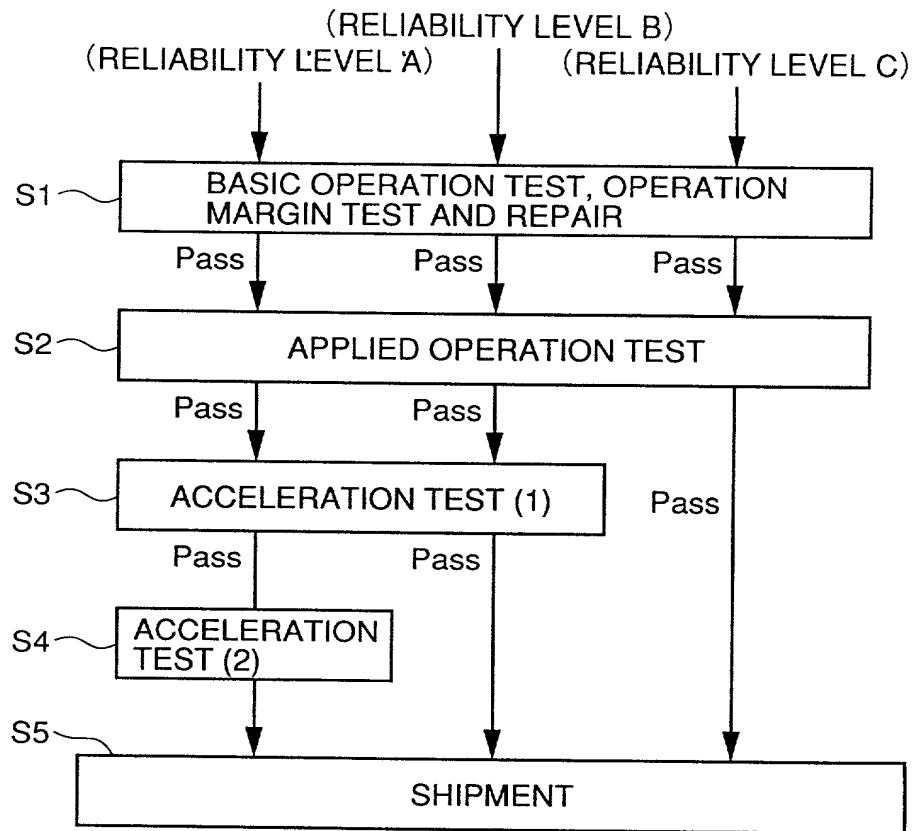


FIG.11

RELIABILITY LEVEL	WARRANTY PERIOD	COST	MALFUNCTION OCCURRENCE RATE
A	T0	M0	E0
B	T1	M1	E1
C	T2	M2	E2

FIG.12

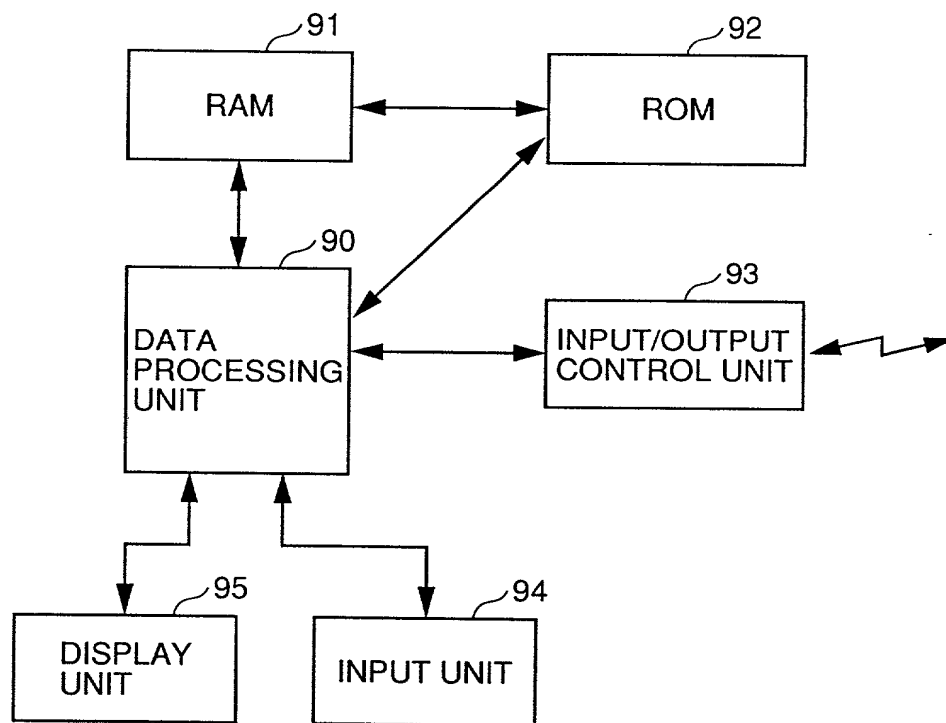


FIG.13

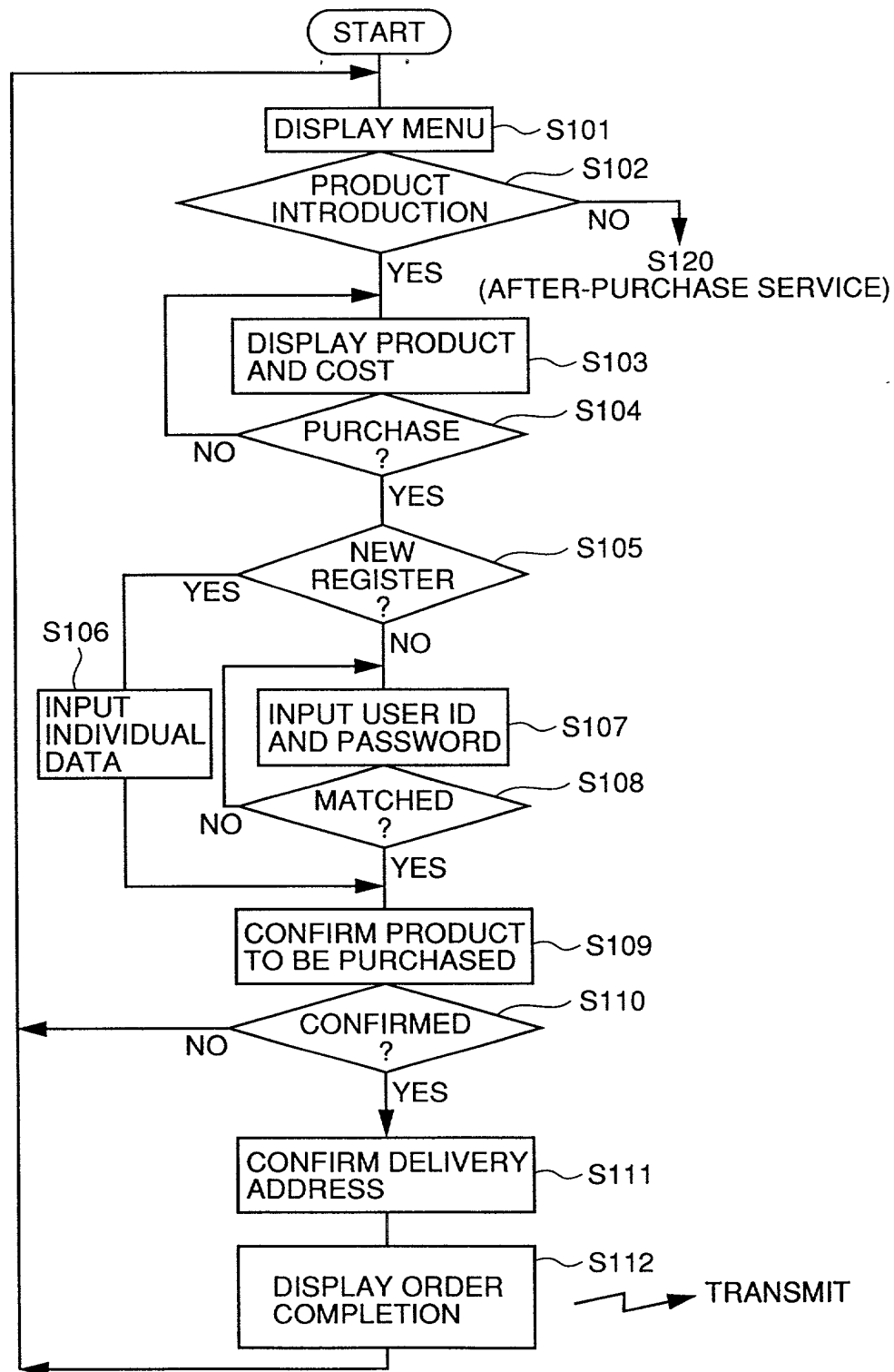


FIG. 14

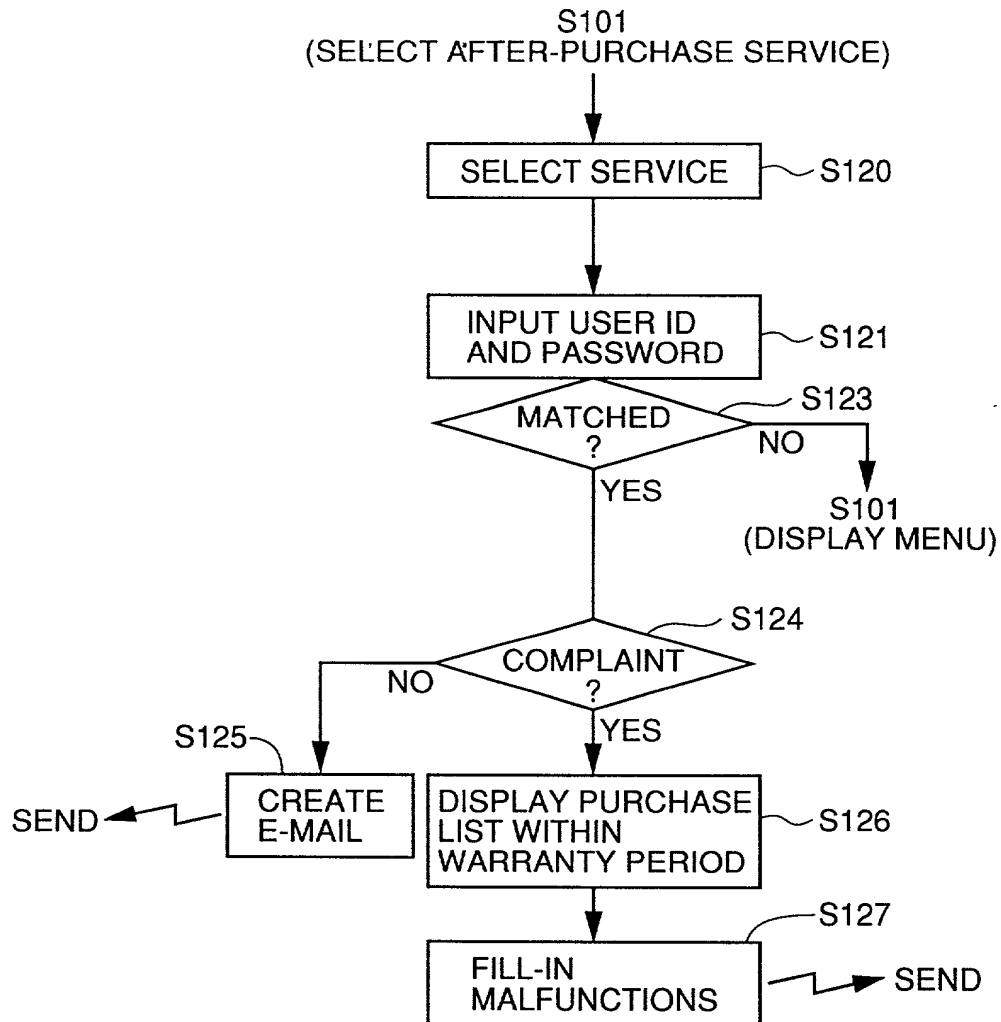
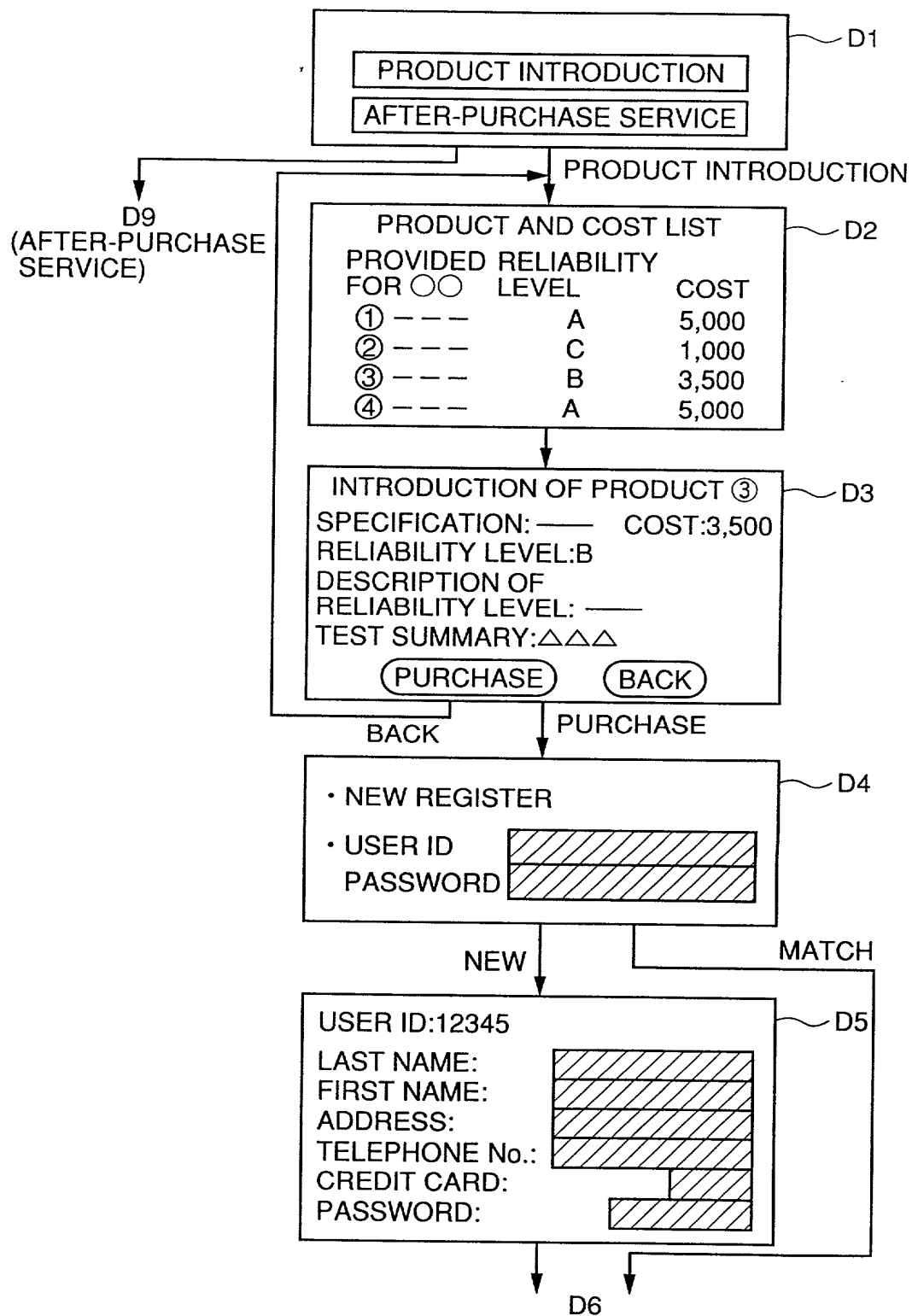


FIG. 15



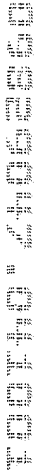
[illegible]

FIG.17

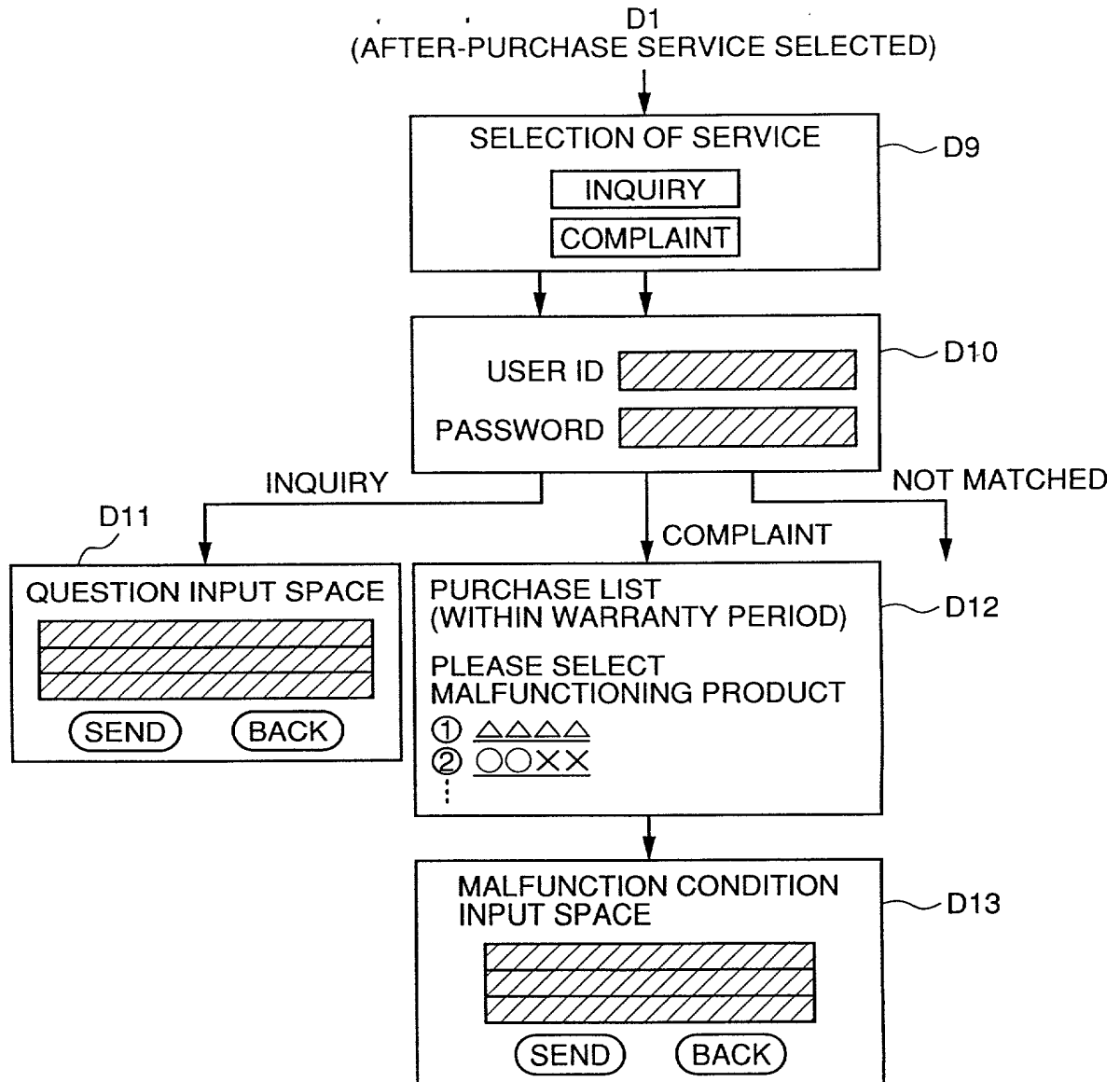


FIG. 18

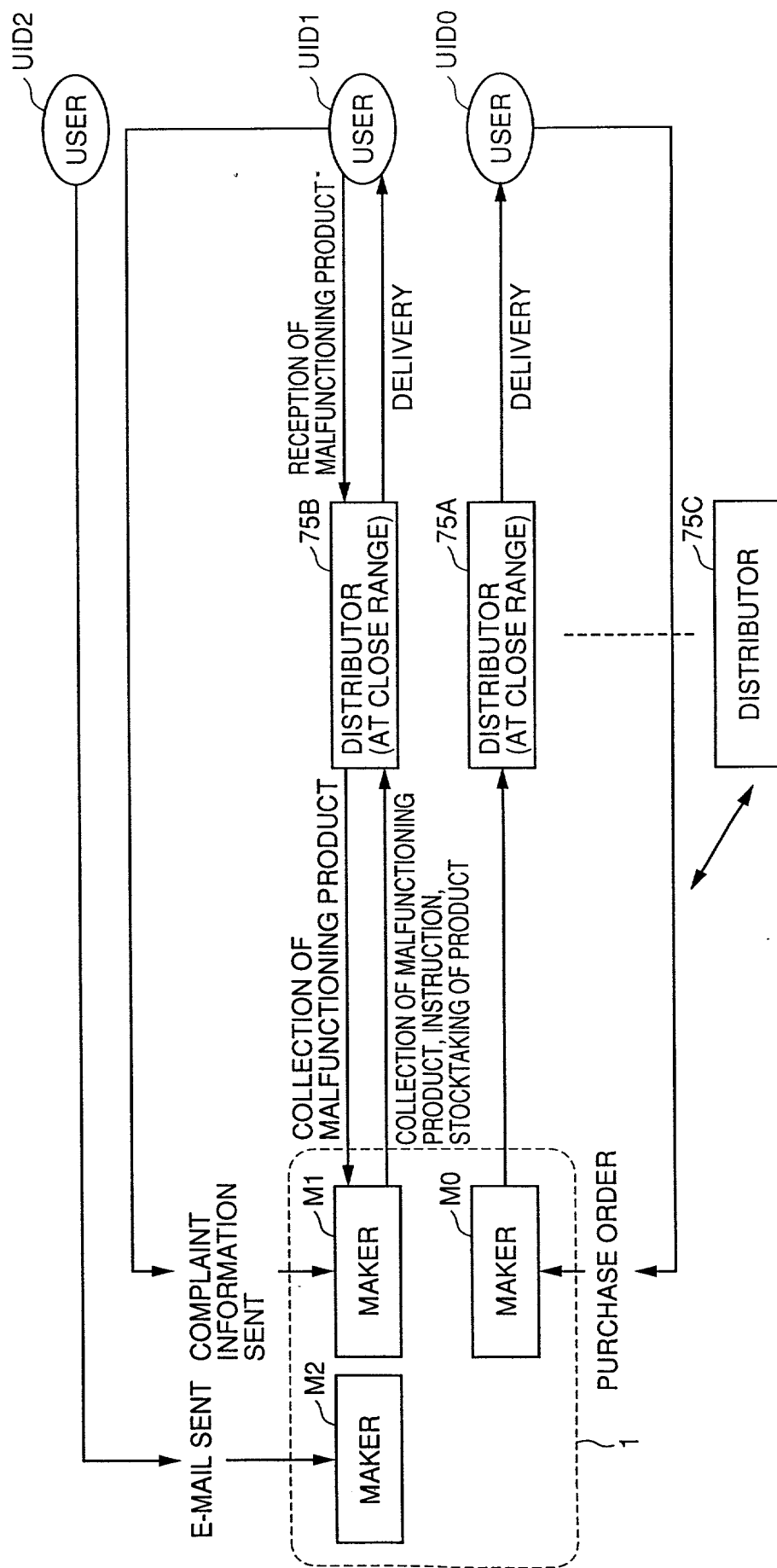


FIG. 19 PRIOR ART

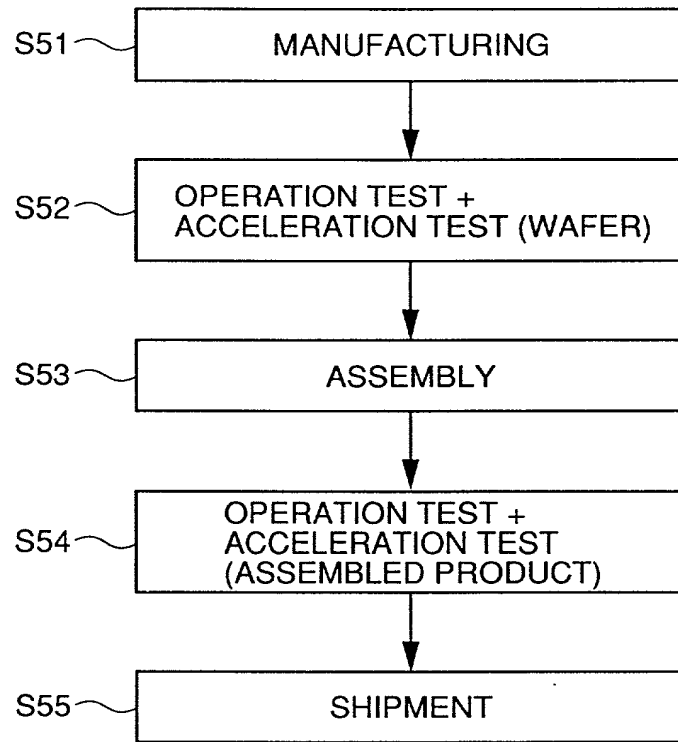


FIG. 20A PRIOR ART

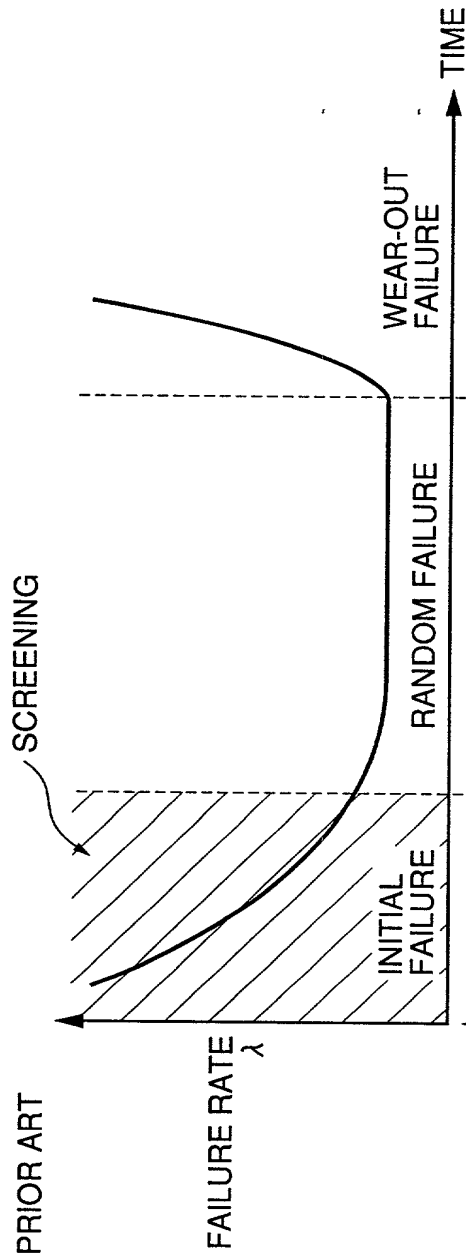
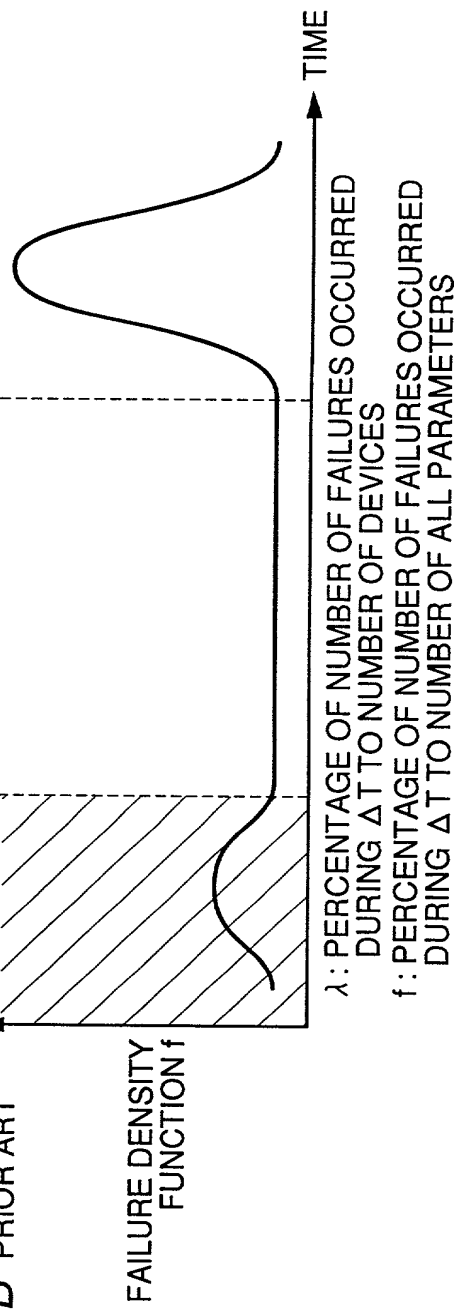


FIG. 20B PRIOR ART



λ : PERCENTAGE OF NUMBER OF FAILURES OCCURRED DURING ΔT TO NUMBER OF DEVICES
 f : PERCENTAGE OF NUMBER OF FAILURES OCCURRED DURING ΔT TO NUMBER OF ALL PARAMETERS

FIG.21 PRIOR ART

QUALITY DIVISION	APPLICATION	QUALITY
FOR HIGH RELIABILITY	IMPORTANT DEVICES (TRANSPORTATION-RELATED DEVICES, MEDICAL DEVICES, AUTOMOBILES)	<10FIT
FOR GENERAL INDUSTRIES	INDUSTRIAL DEVICES (OA DEVICES, ELECTRIC MEASURING DEVICES)	~100FIT
FOR GENERAL CONSUMER	GENERAL DEVICES (AV DEVICES, HOME ELECTRIC APPLIANCES)	~200FIT

1FIT = 10^{-9} device /hour